

A call processing method and apparatus for effective QoS (Quality of Service) control in a mobile communication system is provided. In one embodiment of the present invention, a base station checks available resources upon receipt of a call set-up request from a mobile station. If the resources are not enough to satisfy the QoS of the requested call, the base station suspends a call in progress with a lower service level than that of the requested call. Later, if available resources are secured, the base station resumes the suspended call.